

DERWENT-ACC-NO: 1977-A8757Y

DERWENT-WEEK: 197705

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TITLE: Thermally insulating, sound absorbent cladding  
for  
steam turbine - with filler between turbine and  
cladding  
of flowing, incombustible material of high porosity

PATENT-ASSIGNEE: BOWENS S[BOWEI]

PRIORITY-DATA: 1975DD-0189839 (December 3, 1975)

PATENT-FAMILY:

PUB-NO MAIN-IPC	PUB-DATE	LANGUAGE	PAGES
DD 123140 A	November 20, 1976	N/A	000
N/A			

INT-CL (IPC): F01D025/08, G10K011/00

ABSTRACTED-PUB-NO: DD 123140A

BASIC-ABSTRACT:

The thermally-insulating, sound-absorbant cladding is used for a gas or steam turbine and has a filler opening at the top and an outlet opening at the bottom, with the space between the turbine and the cladding filled with a flowing non-combustible material of high-porosity.

The cladding may be assembled from sheet metal panels which are prone to vibrate during operation of the turbine, with the filler material, eg sand, preventing the vibrations being transmitted to the cladding. The latter may have a number of openings which can be connected to air lines.

TITLE-TERMS: THERMAL INSULATE SOUND ABSORB CLAD  
TURBINE FILL TURBINE CLAD FLOW  
INCOMBUSTIBLE MATERIAL HIGH POROUS

DERWENT-CLASS: P86 Q51